

IN THE CLAIMS**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application. Where claims have been amended and/or canceled, such amendments and/or cancellations are done without prejudice and/or waiver and/or disclaimer to the claimed and/or disclosed subject matter, and the applicant and/or assignee reserves the right to claim this subject matter and/or other disclosed subject matter in a continuing application.

Listing of Claims:

What is claimed is:

1. (Previously Presented) The compensation apparatus according to claim 16, wherein said one or more calibration boards comprises two calibration boards approximately located at two sides of said platform; and wherein said set of calibration photosensitive devices are approximately located at two sides of said set of scan photosensitive devices.
2. (Previously Presented) The compensation apparatus according to claim 1, wherein the set of calibration photosensitive devices comprises a plurality of calibration photosensitive devices arranged in a LxK array at two sides of the set of scan photosensitive devices, and wherein L and K are integers larger than 1.
3. (Previously Presented) The compensation apparatus according to claim 2, wherein the set of scan photosensitive devices comprises a plurality of scan photosensitive devices, and wherein the calibration photosensitive devices have a dimension smaller than that of the scan photosensitive devices.
4. (Cancelled)

5. (Previously Presented) The compensation apparatus according to claim 18, wherein the one or more calibration boards have a trapezium shape.

6. (Previously Presented) The compensation apparatus according to claim 18, wherein the one or more calibration boards have a triangle shape.

7. (Previously Presented) The compensation apparatus according to claim 18, wherein the one or more calibration boards have curved perimeters.

8. (Cancelled)

9. (Previously Presented) The compensation apparatus according to claim 19, wherein the one or more calibration boards have a trapezium shape.

10. (Previously Presented) The compensation apparatus according to claim 19, wherein the one or more calibration boards have a triangle shape.

11. (Previously Presented) The compensation apparatus according to claim 19, wherein the one or more calibration boards have curved perimeters.

12. (Cancelled)

13. (Cancelled)

14. (Cancelled)

15. (Cancelled)

16. (Previously Presented) A compensation apparatus comprising:
one or more calibration boards, approximately located at one side of a platform;

a set of calibration photosensitive devices, approximately located at one side of a set of scan photosensitive devices, capable of obtaining a calibrated image by detecting the one or more calibration boards;

an image processor, capable of calculating an optical path deviation based at least in part on the calibrated image to adjust the scanned image; and

wherein the set of calibration photosensitive devices comprises a plurality of calibration photosensitive devices arranged at two sides of the set of scan photosensitive devices in an $L \times K$ array, wherein L and K are integers larger than 1.

17. (Previously Presented) A compensation apparatus comprising:

one or more calibration boards, approximately located at one side of a platform;

a set of calibration photosensitive devices, approximately located at one side of a set of scan photosensitive devices, capable of obtaining a calibrated image by detecting the one or more calibration boards;

an image processor, capable of calculating an optical path deviation based at least in part on the calibrated image to adjust the scanned image; and

wherein the set of scan photosensitive devices comprise a plurality of scan photosensitive devices, and wherein the calibration photosensitive devices have a dimension smaller than that of the scan photosensitive devices.

18. (Previously Presented) A compensation apparatus comprising:

one or more calibration boards, approximately located at one side of a platform;

a set of calibration photosensitive devices, approximately located at one side of a set of scan photosensitive devices, capable of obtaining a calibrated image by detecting the one or more calibration boards;

an image processor, capable of calculating an optical path deviation based at least in part on the calibrated image to adjust the scanned image; and

wherein the one or more calibration boards have a strip shape and a width increasing along a scanning direction.

19. (Previously Presented) A compensation apparatus comprising:

one or more calibration boards, approximately located at one side of a platform;
a set of calibration photosensitive devices, approximately located at one side of a set of scan photosensitive devices, capable of obtaining a calibrated image by detecting the one or more calibration boards;
an image processor, capable of calculating an optical path deviation based at least in part on the calibrated image to adjust the scanned image; and
wherein the one or more calibration boards have a strip shape and a width decreasing along a scanning direction.

20. (Cancelled)

21. (Previously Presented) A compensation apparatus comprising:
one or more calibration boards, approximately located at one side of a platform;
a set of calibration photosensitive devices, approximately located at one side of a set of scan photosensitive devices, capable of obtaining a calibrated image by detecting the one or more calibration boards;
an image processor, capable of calculating an optical path deviation based at least in part on the calibrated image to adjust the scanned image; and
wherein the image processor is further capable of:
calculating the optical path deviation in an x-axis according to a displacement of the calibrated image detected by the set of calibration photosensitive devices;
calculating the optical path deviation in a y-axis according to the displacement of the calibrated image detected by the set of calibration photosensitive devices; and
calculating the optical path deviation in a z-axis according to the displacement of the calibrated image detected by the set of calibration photosensitive devices.

22. (Previously Presented) The compensation apparatus according to claim 21, wherein the image processor is further capable of:
calculating the optical path deviation twisting around the y-axis according to the optical path deviation in the z-axis; and

calculating the optical path deviation twisting around the z-axis according to the optical path deviation in the y-axis.

23-50. (Cancelled)